



Terry Tamminen  
Agency Secretary  
Cal/EPA



## Department of Toxic Substances Control

8800 Cal Center Drive  
Sacramento, California 95826-3200



Arnold Schwarzenegger  
Governor

August 18, 2004

Mr. Michael O'Brien  
9 CES/CEVR  
6601 B Street  
Beale Air Force Base, California 95903-1708

### APPROVAL OF FINAL ACTION MEMORANDUM AND REMOVAL ACTION WORKPLAN, REMEDIAL ACTION CONSTRUCTION, SITE WP-12, BEALE AIR FORCE BASE, YUBA COUNTY

Dear Mr. O'Brien:

The Department of Toxic Substances Control (DTSC) has reviewed and approves the documents entitled, "*Final Action Memorandum, Remedial Action-Construction, Site WP-12, Beale Air Force Base, California*" (Final Action Memorandum), and "*Final Removal Action Workplan, Remedial Action-Construction, Site WP-12, Beale Air Force Base, California*" (Final Removal Action Workplan or RAW), both dated July 2004. Site 12 is the Former Entomology Lab, also known as the Pesticide Mixing Area, and has near-surface soils contaminated with pesticides such as DDT, DDE, DDD, aldrin, dieldrin, chlordane, and heptachlor. The selected remedy is a non-time-critical Removal Action to excavate, remove, and then send to a Class I Hazardous Waste Landfill for treatment and disposal. The excavated areas, approximately 0.4 acre and 750 linear feet of roadside drainage ditch, will be backfilled with clean soil to grade.

In the Final Action Memorandum and RAW, DDT, DDE, and DDE were omitted from the list of compounds proposed to be cleaned up to their respective United States Environmental Protection Agency (US EPA) Residential Preliminary Remediation Goals (PRGs) to be protective of human health. Based on clarification from Mr. Larry Kleinecke, Project Manager for Versar, Inc., the Air Force contractor, DTSC understands that the human health cleanup goals are the US EPA Residential PRGs for aldrin, heptachlor, chlordane, dieldrin, and DDT, DDE and DDD. For protection of ecological receptors, the cleanup goal is 3.0 milligram/kilogram for the summed DDD, DDE, and DDT concentrations. This latter cleanup goal represents ecologically protective criteria determined by the screening-level ecological risk evaluation developed for Site 12. DTSC's approval is based on this clarification and is contingent on correcting the Final Action Memorandum and Final RAW to include DDT, DDE, and

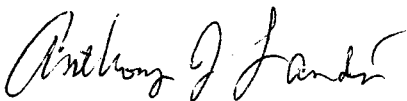
Mr. Michael O'Brien  
August 18, 2004  
Page 2

DDD in the list of compounds with the US EPA Residential PRGs as the cleanup goal. A risk assessment will be conducted after confirmation sampling.

DTSC notes the changes we recommended in our May 19, 2004 comment letters on the documents have been incorporated into the Final Action Memorandum and the Final RAW. Furthermore, there was only one comment received during the public comment period for the Draft Action Memorandum, and that comment did not address the proposed remedial action.

If you have any questions or concerns regarding this letter, please contact Mr. Terry Escarda of my staff at (916) 255-3714 or via e-mail at: [tescarda@dtsc.ca.gov](mailto:tescarda@dtsc.ca.gov).

Sincerely,



Anthony J. Landis, P.E.  
Chief  
Northern California Operations  
Office of Military Facilities

cc: Mr. Larry Kleineke  
Versar, Inc.  
7844 Madison Avenue, Suite 167  
Sacramento, California 95628

Mr. Robert Reeves  
Regional Water Quality Control Board  
Central Valley Region  
11020 Sun Center Drive, #200  
Rancho Cordova, California 95670-6114

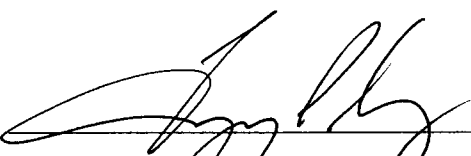
Mr. Terry Escarda  
Office of Military Facilities  
Department of Toxic Substances Control  
8800 Cal Center Drive  
Sacramento, California 95826-3200

## 9.0 RECOMMENDATION

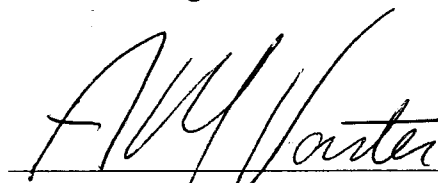
This decision document represents the selected removal action for Site WP-12, at Beale AFB, developed in accordance with CERCLA as amended, and not inconsistent with the National Contingency Plan. Conditions at the Site meet the National Contingency Plan Section 300.415(b)(2) criteria for a removal. This decision is based on the administrative record for the Site. Excavation, treatment and disposal of the pesticide-containing soil is recommended as the preferred action for the following reasons:

The action will effectively protect human health and welfare, and the environment, by significantly reducing the risk of exposure to contaminated soils, and

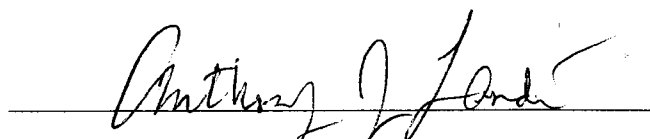
The action is cost-effective and easily implemented.

  
GREGORY P. LONG, Lt Col USAF  
Base Civil Engineer

30 Jul 04  
Date

  
ANTONIA K.J. VORSTER  
Chief, Site Cleanup Section  
California Regional Water Quality Control Board  
Central Valley Region

5 August 04  
Date

  
ANTHONY J. LANDIS, P.E.  
Chief, Northern California Operations  
Office of Military Facilities  
Site Mitigation Branch  
Department of Toxic Substances Control

8-18-04  
Date